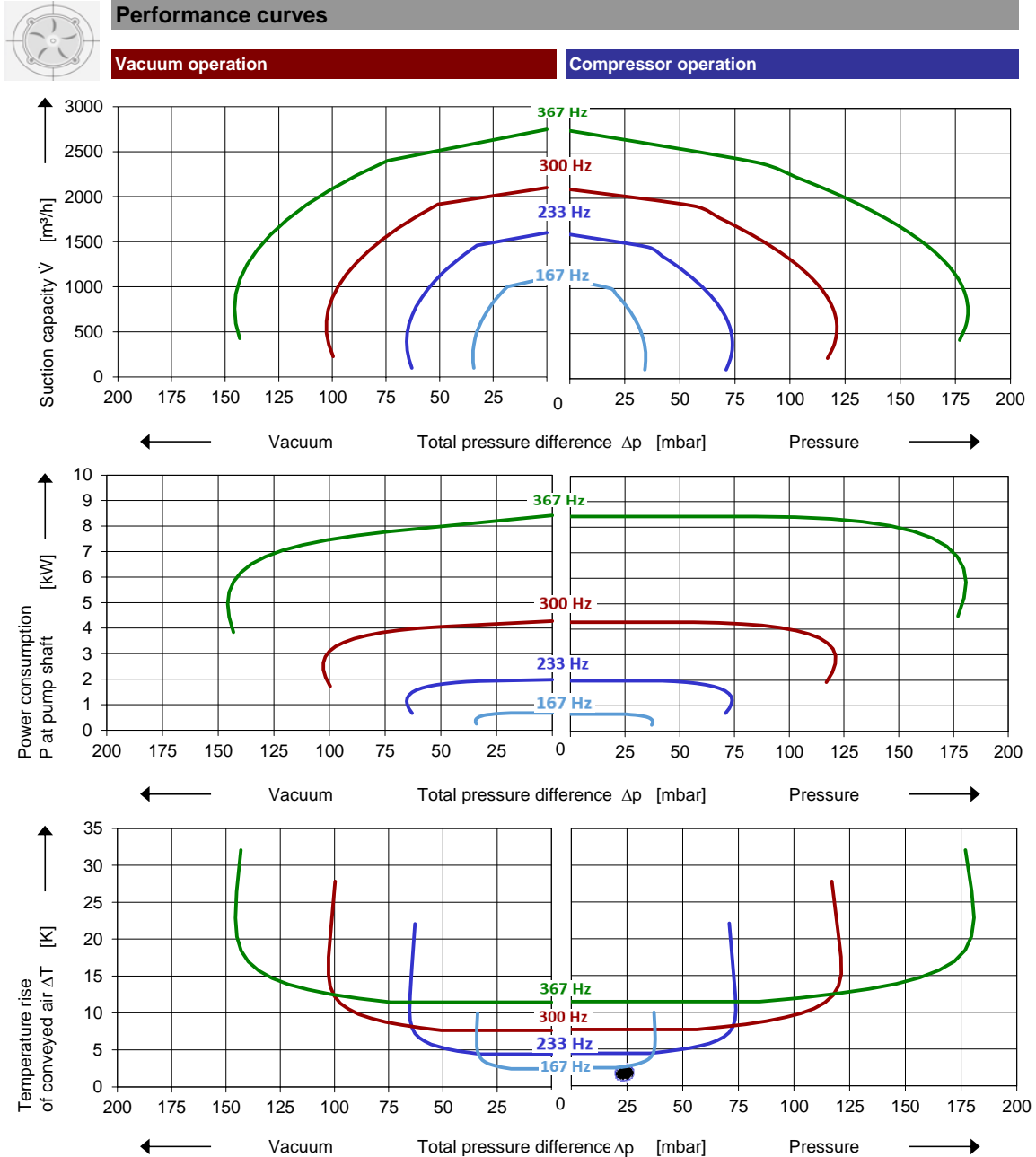


F-RB

Data sheet RB1175

High speed radial blower



The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of $\pm 10\%$. The total pressure differences are valid for suction and ambient temperature up to 25 °C. For other conditions please get in touch with us.

Every F-RB pump can be used both as vacuum pump and compressor in continuous operation over the total performance curve range. The motors are available as standard in protection category IP 55 and insulation class F.

Selection and ordering data										
Type RB1175										
No.	Frequency	Rated motor			Max. differential ¹⁾ pressure		Sound pres. Level ²⁾	Weight Approx.	Order No.	VFD type
		Voltage	Current	Power	Vacuum	Pressure				
		Hz	V	A	kW	mbar				
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
	167	167	24,7	1,2	35	38	67	60	RB1175-1AB1-PF5-EAA	A
	233	234	24,7	2,8	66	74	73			
	300	296	24,7	5,5	103	122	80			
	367	362	24,7	9,9	146	181	80			

- 1) We recommend differential pressure indicators / switches for limiting differential pressure. Relief valves are only useable at defined frequency.
- 2) Measuring surface sound pressure level acc. to EN ISO 3744, measured with an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but no relief valves fitted, tolerance ±3 dB (A).

All F-RB match the 2006/42/EC (machinery) and 2014/35/EU (low voltage) directives.

Frequency converter (IP55) motor integrated / for wall mounting								
Frequency Converter	Rated mains voltage	Max. motor current	Typical motor power	Rated mains current	Fuse Protection	Weight Approx.	Adaptor for wall mounting	
Order No.	V	A	kW	A	A	kg	Order No.	
A 2FC4183-1 □ □ 30	400V (-15%) - 480V (+10%)	40,0	18,5	33,2	50	21	not available	

	I/O's and automation	Order option	
ST	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS / CANopen interface	Standard	on request
PB	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS / ProfiBus interface	Z = U51	on request
CB	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS / CANopen interface	Z = U52	
PN	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS / ProfiNet interface	Z = U53	on request
SC	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS / SERCOS3 interface	Z = U54	on request
EC	2 AIN / 2 AOUT / 4 DIGIN / 1 DIGOUT / 2 RELAYS, zusätzlich mit EtherCAT-Schnittstelle	Z = U56	on request

VFD accessories			
Item	Order No.		
Manual control			
MMI handheld	2FX4520-0ER00		
USB adaptor cable	2FX4521-0ER00		
INVERTERpc Software			
Free download at www.gd-elmorietschle.com >Downloads >frequency-converters >Miscellaneous >Software			

Changes in particular of the quoted performance curve, data and weights may occur without prior notice. The data given does not constitute an obligation from our side to deliver as shown.



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